# YZ-H631

## Hydroxyl Acrylic Resins



Curing agent formulation

### **Type**

Hydroxyl Acrylic Resins

Solid Content: 60% OH Content: 2.7%

## **Application**

Applied to low temperature quick repair paint and industrial coatings.

### **Characteristics**

- 1. Ultra-fast drying
- 2、Hardness increase;
- 3. Good constructability;
- 4. Good weather resistance;
- 5. Low curing agent requirements.

## **Property**

Component : Acrylic copolymer
Appearance: Clear and bright

 Solid Content ( %):
 60±2

 OH Content ( %):
 2.7

 Viscosity (mPa.s/25°C ):
 700-1300

 Acid Value (mgKOH/g):
 8-12

 Solvent :
 BAC

Solvent dilutability

It can be diluted with toluene, xylene, ethyl acetate, propylene glycol methyl ether acetate and other solvents.

≤1(Fe-Co)

### **Packing**

Color:

200kg/Berrel

### **Storability**

- Keep away from fire source, placed in a cool ventilated place, keep container tightly.
- · Shelf time:12 months.

### Safety

This product contains solvent, Please be careful operation, avoid contacting with skin and eyes, other information please refer to the material safety instruction.

### Reference formula

Clearcoat formulation

| Clearcoat formulation |             | Curing agent formulation |             |
|-----------------------|-------------|--------------------------|-------------|
| materiel              | content (%) | materiel                 | content (%) |
| YZ-H631               | 75          | N3390                    | 32          |
| Levelling agent       | 0.3         | Ti                       | 0.3         |
| 1%T-12                | 3           | BAC                      | 34          |
| Mixed solvent         | 21.7        | XYL                      | 33.7        |

Construction proportion clearcoat: Curing agent

=2:1 (Mass ratio)

#### Clearcoat parameter

| Clearcoat parameter               |        |  |  |  |
|-----------------------------------|--------|--|--|--|
| Clearcoat solid content %         | 45     |  |  |  |
| Clearcoat Viscosity S/25°C        | 24-26s |  |  |  |
| Construction solid content %      | 39.6   |  |  |  |
| Construction Viscosity S/25°C     | 14-16s |  |  |  |
| 1h Working fluid viscosity S/25°C | 18-20s |  |  |  |

### Inspection technical index

| Dry condition                                       | YZ-H631 Varnish can be polished for a time |
|---|--|
| Self-drying temperature                             |  |
| (temperature:                                       | 60min around                               |
| 28.5°C humidness: 75%)                              |  |
| Baking: 60°C/15min                                  | 15min                                      |
| Low temperature below 5 degrees Celsius self-drying | 2.5-3h                                     |

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